

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 30, 2004, 18:38:33 ; Search time 380.Seconds

(without alignments)
8608.974 Million cell updates/sec

Title: US-09-743-690-10

Perfect score: 638

Sequence: 1 cctccgctccgcgggca.....cgggtgccggacctcgcc 638

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3413475 seqs, 2563800928 residues

Total number of hits satisfying chosen parameters: 6826950

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:*
- 20: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 21: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	638	100.0	638	14	US-10-013-173-1
2	638	100.0	638	15	US-10-150-762-1
3	638	100.0	638	15	US-10-244-821-1
4	486.6	76.3	1239	14	US-10-013-173-5
5	486.6	76.3	1239	15	US-10-150-762-5
6	486.6	76.3	1239	15	US-10-244-821-5
7	486.6	76.3	1280	14	US/10/013
8	486.6	76.3	1280	15	US/10/150
9	486.6	76.3	1280	15	US/10/244
10	486.6	76.3	1371	15	US-10-244-821-87
11	486.6	76.3	1467	14	US-10-013-173-48
12	486.6	76.3	1467	15	US-10-150-762-48

13	486.6	76.3	1467	15	US-10-244-821-48
14	486.6	76.3	1614	14	US-10-013-173-3
15	486.6	76.3	1614	15	US-10-150-762-3
16	486.6	76.3	1614	15	US-10-244-821-3
17	477	74.8	1266	9	US-09-938-270B-2
18	374.4	58.7	384	17	US-10-332-733-34
19	374.4	58.7	1173	15	US-10-075-947A-4
20	374.4	58.7	1176	15	US-10-075-947A-3
21	370.6	58.1	1566	15	US-10-312-245-6
22	369	57.8	1266	15	US-10-312-245-3
23	369	57.8	1329	15	US-10-312-245-4
24	369	57.8	1395	15	US-10-312-245-5
25	369	57.8	1542	15	US-10-312-245-2
26	368.8	57.8	1247	15	US-10-312-245-1
27	354	55.5	354	15	US-10-285-876-6
28	307	48.1	498	9	US-09-117-447-7
29	74.6	11.7	5877	14	US-10-152-886-54
30	72.8	11.4	1785	16	US-10-282-122A-28213
31	70.4	11.0	1458	15	US-10-369-493-42392
32	70	11.0	1612	17	US-10-437-963-102480
33	68.4	10.7	3331	10	US-09-373-658-31
34	68.4	10.7	3331	11	US-09-989-687-31
35	68	10.7	1920	15	US-10-228-063-59
36	67.8	10.6	678	17	US-10-437-963-37129
37	67.8	10.6	1248	18	US-10-481-179-11
38	67.8	10.6	80557	15	US-10-080-170-647
39	67.8	10.6	80557	17	US-10-080-170-647
40	67.8	10.6	80557	18	US-10-468-356-647
41	67	10.5	459	17	US-10-733-031-1
42	67	10.5	2377	16	US-10-425-114-31041
43	66	10.3	1425	15	US-10-156-761-5271
44	66	10.3	9025608	15	US-10-156-761-1
45	65.8	10.3	3300	9	US-09-379-931-6

ALIGNMENTS

RESULT 1

US-10-013-173-1
; Sequence 1, Application US/10013173
; Publication No. US20030095977A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yuhang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, Jonh M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C1
; CURRENT APPLICATION NUMBER: US/10/013,173
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 638
; TYPE: DNA
; ORGANISM: Streptomyces avidinii
US-10-013-173-1

Query Match 100.0%; Score 638; DB 14; Length 638;
Best Local Similarity 100.0%; Pred. No. 3.8e-161;
Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	CCCTCGTCCCGCGGCAACAACATAGGAGTATTTTCGTCTCACAATGCGCAAGAT	60
Db	1	CCCTCGTCCCGCGGCAACAACATAGGAGTATTTTCGTCTCACAATGCGCAAGAT	60
QY	61	CGTCGTTCCAGCCATCGCGGTTTCCCTGACCAACCGTCTCGATTACGGCCACGCTTCGGC	120
Db	61	CGTCGTTCCAGCCATCGCGGTTTCCCTGACCAACCGTCTCGATTACGGCCACGCTTCGGC	120

QY 121 AGACCCCTCCAGGACTCGAAGGCCCCAGGTCTCGGCGCGCGAGGCGGCGATCACCGGCAC 180
 Db 121 AGACCCCTCCAGGACTCGAAGGCCCCAGGTCTCGGCGCGCGAGGCGGCGATCACCGGCAC 180
 QY 181 CTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGCGGCGCGAGCGGCGCCTTGAC 240
 Db 181 CTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGCGGCGCGAGCGGCGCCTTGAC 240
 QY 241 CGAAACCTACGAGTCGGCCGTCGGCAACCGCGAGAGCCGCTACGTCCTGACCGGTCGTTA 300
 Db 241 CGAAACCTACGAGTCGGCCGTCGGCAACCGCGAGAGCCGCTACGTCCTGACCGGTCGTTA 300
 QY 301 CGACAGCGCCCGGCGCACGACGCGAGCGGCGACCGCCCTCGGTTGACGCTGGCTGGAA 360
 Db 301 CGACAGCGCCCGGCGCACGACGCGAGCGGCGACCGCCCTCGGTTGACGCTGGCTGGAA 360
 QY 361 GAATAACTACCGCAACGCCCACTCCGCGACACGTCGAGCGGCGCACTAGTCGCGGCGGC 420
 Db 361 GAATAACTACCGCAACGCCCACTCCGCGACACGTCGAGCGGCGCACTAGTCGCGGCGGC 420
 QY 421 CGAGGCGAGGATCAACACCCAGTGGCTGCTGACCTCGGCGACACCGAGGCGCAACGCGCTG 480
 Db 421 CGAGGCGAGGATCAACACCCAGTGGCTGCTGACCTCGGCGACACCGAGGCGCAACGCGCTG 480
 QY 481 GAAGTCCACGCTGGTGGCGCACGACACCTTCACCAAGGTGAAGCGCTCCGCGCCTCCAT 540
 Db 481 GAAGTCCACGCTGGTGGCGCACGACACCTTCACCAAGGTGAAGCGCTCCGCGCCTCCAT 540
 QY 541 CGACGCGGCGAAGAGCGCGGCTCAACACGCGCAACCGCTCGACGCGCTTCAGCAGTA 600
 Db 541 CGACGCGGCGAAGAGCGCGGCTCAACACGCGCAACCGCTCGACGCGCTTCAGCAGTA 600
 QY 601 GTCCGCTCCCGGACCGCGCGGTCGCGGACCTCGGCC 638
 Db 601 GTCCGCTCCCGGACCGCGCGGTCGCGGACCTCGGCC 638

RESULT 2

US-10-150-762-1
 ; Sequence 1, Application US/10150762
 ; Publication No. US20030103948A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Goshorn, Stephen C.
 ; APPLICANT: Graves, Scott S.
 ; APPLICANT: Schultz, Joanne E.
 ; APPLICANT: Lin, Yukang
 ; APPLICANT: Sanderson, James A.
 ; APPLICANT: Reno, John M.
 ; APPLICANT: Dearsy, Erica A.
 ; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
 ; TITLE OF INVENTION: METHODS OF USE THEREOF
 ; FILE REFERENCE: 690022.547C2
 ; CURRENT APPLICATION NUMBER: US/10/150.762
 ; CURRENT FILING DATE: 2002-05-17
 ; NUMBER OF SEQ ID NOS: 90
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 638
 ; TYPE: DNA
 ; ORGANISM: Streptomyces avidinii
 US-10-150-762-1

Query Match 100.0%; Score 638; DB 15; Length 638;
 Best Local Similarity 100.0%; Pred. No. 3.8e-161;
 Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 CCCTCCGTCGCCGCGGCGCAACACTAGGAGTATTTTCGTGTCTACATGCGCAAGAT 60
 Db 1 CCCTCCGTCGCCGCGGCGCAACACTAGGAGTATTTTCGTGTCTACATGCGCAAGAT 60
 QY 61 CGTCGTTGACGATCGCGCTTCCTCGACGAGTCTCGATTACGCGCGGCTTCGGC 120

Db 61 CGTCGTTGACGATCGCGCTTCCTCGACGAGTCTCGATTACGCGCGGCTTCGGC 120
 QY 121 AGACCCCTCCAGGACTCGAAGGCCCCAGGTCTCGGCGCGCGAGGCGGCGATCACCGGCAC 180
 Db 121 AGACCCCTCCAGGACTCGAAGGCCCCAGGTCTCGGCGCGCGAGGCGGCGATCACCGGCAC 180
 QY 181 CTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGCGGCGCGAGCGGCGCCTTGAC 240
 Db 181 CTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGCGGCGCGAGCGGCGCCTTGAC 240
 QY 241 CGAAACCTACGAGTCGGCCGTCGGCAACCGCGAGAGCCGCTACGTCCTGACCGGTCGTTA 300
 Db 241 CGAAACCTACGAGTCGGCCGTCGGCAACCGCGAGAGCCGCTACGTCCTGACCGGTCGTTA 300
 QY 301 CGACAGCGCCCGGCGCACGACGCGAGCGGCGACCGCCCTCGGTTGACGCTGGCTGGAA 360
 Db 301 CGACAGCGCCCGGCGCACGACGCGAGCGGCGACCGCCCTCGGTTGACGCTGGCTGGAA 360
 QY 361 GAATAACTACCGCAACGCCCACTCCGCGACACGTCGAGCGGCGCACTAGTCGCGGCGGC 420
 Db 361 GAATAACTACCGCAACGCCCACTCCGCGACACGTCGAGCGGCGCACTAGTCGCGGCGGC 420
 QY 421 CGAGGCGAGGATCAACACCCAGTGGCTGCTGACCTCGGCGACACCGAGGCGCAACGCGCTG 480
 Db 421 CGAGGCGAGGATCAACACCCAGTGGCTGCTGACCTCGGCGACACCGAGGCGCAACGCGCTG 480
 QY 481 GAAGTCCACGCTGGTGGCGCACGACACCTTCACCAAGGTGAAGCGCTCCGCGCCTCCAT 540
 Db 481 GAAGTCCACGCTGGTGGCGCACGACACCTTCACCAAGGTGAAGCGCTCCGCGCCTCCAT 540
 QY 541 CGACGCGGCGAAGAGCGCGGCTCAACACGCGCAACCGCTCGACGCGCTTCAGCAGTA 600
 Db 541 CGACGCGGCGAAGAGCGCGGCTCAACACGCGCAACCGCTCGACGCGCTTCAGCAGTA 600
 QY 601 GTCCGCTCCCGGACCGCGCGGTCGCGGACCTCGGCC 638
 Db 601 GTCCGCTCCCGGACCGCGCGGTCGCGGACCTCGGCC 638

RESULT 3

US-10-244-821-1
 ; Sequence 1, Application US/10244821
 ; Publication No. US2003014323A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Goshorn, Stephen Charles
 ; APPLICANT: Graves, Scott Stoll
 ; APPLICANT: Schultz, Joanne Elaine
 ; APPLICANT: Lin, Yukang
 ; APPLICANT: Sanderson, James Allen
 ; APPLICANT: Reno, John M.
 ; APPLICANT: Dearsy, Erica A.
 ; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
 ; TITLE OF INVENTION: METHODS OF USE THEREOF
 ; FILE REFERENCE: 690022.547C3
 ; CURRENT APPLICATION NUMBER: US/10/244.821
 ; CURRENT FILING DATE: 2002-09-16
 ; NUMBER OF SEQ ID NOS: 92
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 638
 ; TYPE: DNA
 ; ORGANISM: Streptomyces avidinii
 US-10-244-821-1

Query Match 100.0%; Score 638; DB 15; Length 638;
 Best Local Similarity 100.0%; Pred. No. 3.8e-161;
 Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 CCCTCCGTCGCCGCGGCGCAACACTAGGAGTATTTTCGTGTCTACATGCGCAAGAT 60
 Db 1 CCCTCCGTCGCCGCGGCGCAACACTAGGAGTATTTTCGTGTCTACATGCGCAAGAT 60
 QY 61 CGTCGTTGACGATCGCGCTTCCTCGACGAGTCTCGATTACGCGCGGCTTCGGC 120

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Db 61 CGTCGTTGACGATCGCCGTTTCCTTACACAGTCTCGATTACGCGCATCGCGTTCGGC 120
Qy 121 AGACCCCTCCAAAGACTCGAAGGCCAGGTCTCGGCGCCGAGCGCCGATCAACCGGCAC 180
Db 121 AGACCCCTCCAAAGACTCGAAGGCCAGGTCTCGGCGCCGAGCGCCGATCAACCGGCAC 180
Qy 181 CTGGTACAAACAGCTCGGCTCGACTTCATCGTACCGCGGCGCGGCGCGCCCTGAC 240
Db 181 CTGGTACAAACAGCTCGGCTCGACTTCATCGTACCGCGGCGCGGCGCGCCCTGAC 240
Qy 241 CGAAACCTACAGTTCGGCGCTCGGCAACCGCGAGCGGCTACGTCCTGACCGGTGTTA 300
Db 241 CGAAACCTACAGTTCGGCGCTCGGCAACCGCGAGCGGCTACGTCCTGACCGGTGTTA 300
Qy 301 CGACAGCGCCCGGCGGCGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 360
Db 301 CGACAGCGCCCGGCGGCGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 360
Qy 361 GAATAAATACCGCAACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 420
Db 361 GAATAAATACCGCAACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 420
Qy 421 CGAGCGAGGATCAACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 480
Db 421 CGAGCGAGGATCAACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 480
Qy 481 GAAGTCCAGCTGTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 540
Db 481 GAAGTCCAGCTGTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 540
Qy 541 CGACGCGGCGGAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 600
Db 541 CGACGCGGCGGAGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 600
Qy 601 GTGCGTCCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 638
Db 601 GTGCGTCCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 638
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RESULT 4

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US-10-013-173-5
; Sequence 5, Application US/10013173
; Publication No. US20030095977A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: METHODS OF USE THEREOF
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion
US-10-013-173-5
```

```
Query Match 76.3%; Score 486.6; DB 14; Length 1239;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCGCG 159
Db 738 GAGCTGTGGCTCTGGTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCGCG 797
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```
Qy 160 CGAGGCGCGGATCACCGGCACCTGGTACAAACAGCTCGSCTCGACCTTCATCGTGACCGC 219
Db 798 CGAGGCGCGGATCACCGGCACCTGGTACAAACAGCTCGSCTCGACCTTCATCGTGACCGC 857
Qy 220 GGGCGCGGACCGGCGGCTGACCGGAACTTACGAGTCGGCCGTTCGGCAACCGCGAGAGCGG 279
Db 858 GGGCGCGGACCGGCGGCTGACCGGAACTTACGAGTCGGCCGTTCGGCAACCGCGAGAGCGG 917
Qy 280 CTAGTCTCTGACCGGTCGTTAGACAGCGCCCGGCGGCGGCGGCGGCGGCGGCGGCGG 339
Db 918 CTAGTCTCTGACCGGTCGTTAGACAGCGCCCGGCGGCGGCGGCGGCGGCGGCGGCGG 977
Qy 340 CGGTTGGACCGGTGGCTTGAAGAATAACTACCGCAACCGCCACTCCGGACCACTCGGAG 399
Db 978 CGGTTGGACCGGTGGCTTGAAGAATAACTACCGCAACCGCCACTCCGGACCACTCGGAG 1037
Qy 400 CGGCGGAGTACGTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 459
Db 1038 CGGCGGAGTACGTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1097
Qy 460 CACCAACCGGAGGCAACCGCTGGAAGTCCACGCTCGGCGGCGGCGGCGGCGGCGGCGG 519
Db 1098 CACCAACCGGAGGCAACCGCTGGAAGTCCACGCTCGGCGGCGGCGGCGGCGGCGGCGG 1157
Qy 520 GAAGCGGTCGCGGCGGCTCCATCGACGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 579
Db 1158 GAAGCGGTCGCGGCGGCTCCATCGACGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1217
Qy 580 GCTCGACGCGGCTTCAGCAGTA 600
Db 1218 GCTCGACGCGGCTTCAGCAGTA 1238
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RESULT 5

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US-10-150-762-5
; Sequence 5, Application US/10150762
; Publication No. US20030103948A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott S.
; APPLICANT: Schultz, Joanne E.
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; APPLICANT: Dearstyne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: METHODS OF USE THEREOF
; CURRENT FILING DATE: 2002-05-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion
US-10-150-762-5
```

```
Query Match 76.3%; Score 486.6; DB 15; Length 1239;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
```

```
Qy 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCGCG 159
Db 738 GAGCTGTGGCTCTGGTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCGCG 797
Qy 160 CGAGGCGCGGATCACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 219
Db 798 CGAGGCGCGGATCACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 857
```

QY 220 GGCGCGCGAGCGCGCCCTGACCGGAACCTACAGTCCGGCGCTCGGACCGCGAGCGG 279
Db 858 GGCGCGCGAGCGCGCCCTGACCGGAACCTACAGTCCGGCGCTCGGACCGCGAGCGG 917
QY 280 CTACGTCCTGACCGGTCGTTACGACAGCGCGCCCGCCACCGGACCGCGCGCCCT 339
Db 918 CTACGTCCTGACCGGTCGTTACGACAGCGCGCCCGCCACCGGACCGCGCGCCCT 977
QY 340 CGGTTGGACGGTGGCTGGAAGAATAACTACCGAAACGCGCCACTCCGCGACCACTGGAG 399
Db 978 CGGTTGGACGGTGGCTGGAAGAATAACTACCGAAACGCGCCACTCCGCGACCACTGGAG 1037
QY 400 CGGTTGGACGGTGGCTGGAAGAATAACTACCGAAACGCGCCACTCCGCGACCACTGGAG 459
Db 978 CGGTTGGACGGTGGCTGGAAGAATAACTACCGAAACGCGCCACTCCGCGACCACTGGAG 1037
QY 460 CACACCGAGGCGCAACGCTTGGAGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 519
Db 1038 CACACCGAGGCGCAACGCTTGGAGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 1157
QY 520 GAAGCGTCCGCGCTCCATCGACGCGCGGCGGAGGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 579
Db 1158 GAAGCGTCCGCGCTCCATCGACGCGCGGCGGAGGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 1217
QY 580 GCTCGACGCGCTTCAGCAGTA 600
Db 1218 GCTCGACGCGCTTCAGCAGTA 1238

RESULT 6
US-10-244-821-5
; Sequence 5, Application US/10244821
; Publication No. US20030143233A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen Charles
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James Allen
; APPLICANT: Reno, John M.
; APPLICANT: Dearsteyne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C3
; CURRENT FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion
US-10-244-821-5

Query Match 76.3%; Score 486.6; DB 15; Length 1239;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 100 GATTACGCGCAGCGCTTCGGCAGACCCCTCCAAAGACTCGAAGGCCCGCAGGTCTCGGCGC 159
Db 738 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAAAGACTCGAAGGCCCGCAGGTCTCGGCGC 797
QY 160 CGAGCGCGGATCACCGGCACTGTGTACAAACAGCTCGGCTCGACCTTCATCTGACCGC 219
Db 798 CGAGCGCGGATCACCGGCACTGTGTACAAACAGCTCGGCTCGACCTTCATCTGACCGC 857
QY 220 GGGCGCGCAGCGCGCCCTGACCGGAACCTACAGTCCGGCGCTCGGCAACCGCGAGAGCG 279
Db 858 GGGCGCGCAGCGCGCCCTGACCGGAACCTACAGTCCGGCGCTCGGCAACCGCGAGAGCG 917
QY 280 CTACGTCCTGACCGGTCGTTACGACAGCGCGCCCGCCACCGGACCGCGCGCCCT 339

Db 918 CTACGTCCTGACCGGTCGTTACGACAGCGCGCCCGCCACCGGACCGCGCGCGCCCT 977
QY 340 CGGTTGGACGGTGGCTGGAAGAATAACTACCGAAACGCGCCACTCCGCGACCACTGGAG 399
Db 978 CGGTTGGACGGTGGCTGGAAGAATAACTACCGAAACGCGCCACTCCGCGACCACTGGAG 1037
QY 400 CGGCGAGTACGTCGGCGGCGCGCGGAGGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 459
Db 1038 CGGCGAGTACGTCGGCGGCGCGGAGGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 1097
QY 460 CACACCGAGGCGCAACGCTTGGAGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 519
Db 1098 CACACCGAGGCGCAACGCTTGGAGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 1157
QY 520 GAAGCGTCCGCGCTCCATCGACGCGCGGCGGAGGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 579
Db 1158 GAAGCGTCCGCGCTCCATCGACGCGCGGCGGAGGATCAACCGAAACGCGCCACTCCGCGACCACTGGAG 1217
QY 580 GCTCGACGCGCTTCAGCAGTA 600
Db 1218 GCTCGACGCGCTTCAGCAGTA 1238

RESULT 7
US/10/013
; Sequence 7, Application US/10013173
; Publication No. US20030095977A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C1
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 1280
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion construct
US/10/013,173-7

Query Match 76.3%; Score 486.6; DB 14; Length 1280;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 100 GATTACGCGCAGCGCTTCGGCAGACCCCTCCAAAGACTCGAAGGCCCGCAGGTCTCGGCGC 159
Db 773 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAAAGACTCGAAGGCCCGCAGGTCTCGGCGC 832
QY 160 CGAGCGCGGATCACCGGCACTGTGTACAAACAGCTCGGCTCGACCTTCATCTGACCGC 219
Db 833 CGAGCGCGGATCACCGGCACTGTGTACAAACAGCTCGGCTCGACCTTCATCTGACCGC 892
QY 220 GGGCGCGCAGCGCGCCCTGACCGGAACCTACAGTCCGGCGCTCGGCAACCGCGAGAGCG 279
Db 893 GGGCGCGCAGCGCGCCCTGACCGGAACCTACAGTCCGGCGCTCGGCAACCGCGAGAGCG 952
QY 280 CTACGTCCTGACCGGTCGTTACGACAGCGCGCCCGCCACCGGACCGCGCGCCCT 339
Db 953 CTACGTCCTGACCGGTCGTTACGACAGCGCGCCCGCCACCGGACCGCGCGCCCT 1012
QY 340 CGGTTGGACGGTGGCTGGAAGAATAACTACCGAAACGCGCCACTCCGCGACCACTGGAG 399
Db 1013 CGGTTGGACGGTGGCTGGAAGAATAACTACCGAAACGCGCCACTCCGCGACCACTGGAG 1072

QY 400 CGGCCAGTACCTCGGCGCGCGGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 459
DB 1073 CGGCCAGTACCTCGGCGCGCGGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 1132
QY 460 CACCACGAGGCCAACCGCTCGAAGTCCAGCTGGTGGGCCACACACCTTCCACCAAGT 519
DB 1133 CACCACGAGGCCAACCGCTCGAAGTCCAGCTGGTGGGCCACACACCTTCCACCAAGT 1192
QY 520 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 579
DB 1193 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 1252
QY 580 GCTCGAGCGCGTTTCAGCAGTA 600
DB 1253 GCTCGAGCGCGTTTCAGCAGTA 1273

RESULT 8

US/10/150
; Sequence 7, Application US/10150762
; Publication No. US20030103948A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott S.
; APPLICANT: Schultz, Joanne E.
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; APPLICANT: Dearstynne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C2
; CURRENT FILING DATE: 2002-05-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 1280
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion construct
US/10/150,762-7

Query Match 76.3%; Score 486.6; DB 15; Length 1280;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 100 GATTACGGCGAGCGCTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 159
DB 773 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 832
QY 160 CGAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 219
DB 833 CGAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 892
QY 220 GAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 279
DB 833 CGAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 892
QY 280 GAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 279
DB 893 GAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 952
QY 340 CTACGTCCTGACCGGTCTGTACGACAGCGCCCGGCCACCGAGCGGCGACCGCCCT 339
DB 953 CTACGTCCTGACCGGTCTGTACGACAGCGCCCGGCCACCGAGCGGCGACCGCCCT 1012
QY 340 CGGTTGGACGCTGGCGCTGGAGAAATACTACCGCAAGCGCCACTCCCGGACCGTGGAG 399
DB 1013 CGGTTGGACGCTGGCGCTGGAGAAATACTACCGCAAGCGCCACTCCCGGACCGTGGAG 1072
QY 400 CGGTTGGACGCTGGCGCTGGAGAAATACTACCGCAAGCGCCACTCCCGGACCGTGGAG 399
DB 1013 CGGTTGGACGCTGGCGCTGGAGAAATACTACCGCAAGCGCCACTCCCGGACCGTGGAG 1072
QY 400 CGGCCAGTACCTCGGCGCGCGGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 459
DB 1073 CGGCCAGTACCTCGGCGCGCGGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 1132

QY 460 CACCACGAGGCCAACCGCTCGAAGTCCAGCTGGTGGGCCACACACCTTCCACCAAGT 519
DB 1133 CACCACGAGGCCAACCGCTCGAAGTCCAGCTGGTGGGCCACACACCTTCCACCAAGT 1192
QY 520 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 579
DB 1193 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 1252
QY 580 GCTCGAGCGCGTTTCAGCAGTA 600
DB 1253 GCTCGAGCGCGTTTCAGCAGTA 1273

RESULT 9

US/10/244
; Sequence 7, Application US/10244821
; Publication No. US20030143233A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen Charles
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James Allen
; APPLICANT: Reno, John M.
; APPLICANT: Dearstynne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C3
; CURRENT FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 1280
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion construct
US/10/244,821-7

Query Match 76.3%; Score 486.6; DB 15; Length 1280;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 100 GATTACGGCGAGCGCTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 159
DB 773 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 832
QY 160 CGAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 219
DB 833 CGAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 892
QY 220 GAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 279
DB 893 GAGGCGGCGATCACCGGCACCTGTGTACACCAAGCTCGGCTCGACCTTCATCGTACCGC 952
QY 280 CTACGTCCTGACCGGTCTGTACGACAGCGCCCGGCCACCGAGCGGCGACCGCCCT 339
DB 953 CTACGTCCTGACCGGTCTGTACGACAGCGCCCGGCCACCGAGCGGCGACCGCCCT 1012
QY 340 CGGTTGGACGCTGGCGCTGGAGAAATACTACCGCAAGCGCCACTCCCGGACCGTGGAG 399
DB 1013 CGGTTGGACGCTGGCGCTGGAGAAATACTACCGCAAGCGCCACTCCCGGACCGTGGAG 1072
QY 400 CGGCCAGTACCTCGGCGCGCGGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 459
DB 1073 CGGCCAGTACCTCGGCGCGCGGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 1132
QY 460 CACCACGAGGCCAACCGCTCGAAGTCCAGCTGGTGGGCCACACACCTTCCACCAAGT 519
DB 1133 CACCACGAGGCCAACCGCTCGAAGTCCAGCTGGTGGGCCACACACCTTCCACCAAGT 1192
QY 520 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 579

Db 1193 GAAGCGGTCCGCGCTCCATCGACGCGGGAAGGCGCGGTCAACAACGGCAACC 1252
QY 580 GCTCGACGCGGTTCAGCAGTA 600
Db 1253 GCTCGACGCGGTTCAGCAGTA 1273

RESULT 10
US-10-244-821-87
; Sequence 87, Application US/10244821
; Publication No. US20030143233A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen Charles
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James Allen
; APPLICANT: Reno, John M.
; APPLICANT: Dearstyn, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C3
; CURRENT APPLICATION NUMBER: US/10/244,821
; CURRENT FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87
; LENGTH: 1371
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-244-821-87

Query Match 76.3%; Score 486.6; DB 15; Length 1371;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCCGC 159
Db 870 GAGCTCTGGCTCTGGTTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCCGC 929
QY 160 CGAGCGCGGATACACCGGACCTGGTATCAACCGAGTGGCTGACCTTCATCGTGACCGC 219
Db 930 CGAGCGCGGATACACCGGACCTGGTATCAACCGAGTGGCTGACCTTCATCGTGACCGC 989
QY 220 GGGCGCGAGCGCGCTCGGACCGAACCCTACGAGTGGCGCGTGGCAACCGCGAGAGCGG 279
Db 990 GGGCGCGAGCGCGCTCGGACCGAACCCTACGAGTGGCGCGTGGCAACCGCGAGAGCGG 1049
QY 280 CTAGCTCTGACCGGTGCTTACGACGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 339
Db 1050 CTAGCTCTGACCGGTGCTTACGACGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 1109
QY 340 CGGTGGACGCTGCGCTGGAGATTAACCGCAACCGCGCGCGCGCGCGCGCGCGCGCGCT 399
Db 1110 CGGTGGACGCTGCGCTGGAGATTAACCGCAACCGCGCGCGCGCGCGCGCGCGCGCT 1169
QY 400 CGGCGAGTACGTTCGGCT 459
Db 1170 CGGCGAGTACGTTCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 1229
QY 460 CACACCGAGCGCAACCGCTGGAGTTCACGCTGGTGGCGCAGACACCTTACCAAGGT 519
Db 1230 CACACCGAGCGCAACCGCTGGAGTTCACGCTGGTGGCGCAGACACCTTACCAAGGT 1289
QY 520 GAAGCGGTCCGCGCGCTCCATCGACGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 579
Db 1290 GAAGCGGTCCGCGCGCTCCATCGACGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 1349
QY 580 GCTCGACGCGGTTCAGCAGTA 600
Db 1350 GCTCGACGCGGTTCAGCAGTA 1370

RESULT 12
US-10-150-762-48
; Sequence 48, Application US/10150762
; Publication No. US20030103948A1

RESULT 11
US-10-013-173-48
; Sequence 48, Application US/10013173
; Publication No. US20030095977A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C1
; CURRENT APPLICATION NUMBER: US/10/013,173
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CC49 single chain antibody-genomic streptavidin
; OTHER INFORMATION: fusion sequence
US-10-013-173-48

Query Match 76.3%; Score 486.6; DB 14; Length 1467;
Best Local Similarity 99.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCCGC 159
Db 894 GAGCTCTGGCTCTGGTTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCCGC 953
QY 160 CGAGCGCGGATACACCGGACCTGGTATCAACCGAGTGGCTGACCTTCATCGTGACCGC 219
Db 954 CGAGCGCGGATACACCGGACCTGGTATCAACCGAGTGGCTGACCTTCATCGTGACCGC 1013
QY 220 GGGCGCGAGCGCGCTCGGACCGAACCCTACGAGTGGCGCGTGGCAACCGCGAGAGCGG 279
Db 1014 GGGCGCGAGCGCGCTCGGACCGAACCCTACGAGTGGCGCGTGGCAACCGCGAGAGCGG 1073
QY 280 CTAGCTCTGACCGGTGCTTACGACGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 339
Db 1074 CTAGCTCTGACCGGTGCTTACGACGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 1133
QY 340 CGGTGGACGCTGCGCTGGAGATTAACCGCAACCGCGCGCGCGCGCGCGCGCGCGCT 399
Db 1134 CGGTGGACGCTGCGCTGGAGATTAACCGCAACCGCGCGCGCGCGCGCGCGCGCT 1193
QY 400 CGGCGAGTACGTTCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 459
Db 1194 CGGCGAGTACGTTCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 1253
QY 460 CACACCGAGCGCAACCGCTGGAGTTCACGCTGGTGGCGCAGACACCTTACCAAGGT 519
Db 1254 CACACCGAGCGCAACCGCTGGAGTTCACGCTGGTGGCGCAGACACCTTACCAAGGT 1313
QY 520 GAAGCGGTCCGCGCGCTCCATCGACGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 579
Db 1314 GAAGCGGTCCGCGCGCTCCATCGACGCGCGCGCGCGCGCGCGCGCGCGCGCT 1373
QY 580 GCTCGACGCGGTTCAGCAGTA 600
Db 1374 GCTCGACGCGGTTCAGCAGTA 1394

GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott S.
; APPLICANT: Schultz, Joanne E.
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; APPLICANT: Dearstyn, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C2
; CURRENT APPLICATION NUMBER: US/10/150,762
; CURRENT FILING DATE: 2002-05-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CC49 single chain antibody-genomic streptavidin
; OTHER INFORMATION: fusion sequence
US-10-150-762-48

Query Match 76.3%; Score 486.6; DB 15; Length 1467;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCAGCGCTTCGGGAGACCCCTCAAGGACTCGAAGGCCAGGCTTCGGCCGC 159
Db 894 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCAAGGACTCGAAGGCCAGGCTTCGGCCGC 953
QY 160 CGAGCGCGGATCACCGGACCTGGTACACAGCTCGGCTCGACCTTCATCGTGACCG 219
Db 954 CGAGCGCGGATCACCGGACCTGGTACACAGCTCGGCTCGACCTTCATCGTGACCG 1013
QY 220 GGGCGCGGACCGGCGCTGACCGGAACTACGAGTCGGCCGTGGCAACCGCCGAGAGCG 279
Db 1014 GGGCGCGGACCGGCGCTGACCGGAACTACGAGTCGGCCGTGGCAACCGCCGAGAGCG 1073
QY 280 CTAGCTCTGACCGCTGTTACGACAGCGCCCGGACCGAGCGGAGCGGACCGCCCT 339
Db 1074 CTAGCTCTGACCGCTGTTACGACAGCGCCCGGACCGAGCGGAGCGGACCGCCCT 1133
QY 340 CGGTTGACCGGCTGGAGAAATACTACCGCAACCGCCACTCCGCGACCACTGGAG 399
Db 1134 CGGTTGACCGGCTGGAGAAATACTACCGCAACCGCCACTCCGCGACCACTGGAG 1193
QY 400 CGGCGGAGTACGTCGGCGCGCGCGGAGGAGATCAACCGAGTGGTCTGAGCTCCGG 459
Db 1194 CGGCGGAGTACGTCGGCGCGCGCGGAGGAGATCAACCGAGTGGTCTGAGCTCCGG 1253
QY 460 CACCACCGAGGCCAAACGCTGGAAGTCCAGCTGGTGGCGGAGGAGATCAACCGAGT 519
Db 1254 CACCACCGAGGCCAAACGCTGGAAGTCCAGCTGGTGGCGGAGGAGATCAACCGAGT 1313
QY 520 GAAGCGTTCGGCGCTTCATCGACCGGCGGAGAGAGCGGCGTCAACCGGCAACCC 579
Db 1314 GAAGCGTTCGGCGCTTCATCGACCGGCGGAGAGAGCGGCGTCAACCGGCAACCC 1373
QY 580 GCTCGACCGCGTTTCAGCAGTA 600
Db 1374 GCTCGACCGCGTTTCAGCAGTA 1394

RESULT 14
US-10-150-762-48
; Sequence 48, Application US/10244821
; Publication No. US2003014323A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen Charles
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine

APPLICANT: Lin, Yukang
APPLICANT: Sanderson, James Allen
APPLICANT: Reno, John M.
APPLICANT: Dearstyn, Erica A.
TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
FILE REFERENCE: 690022.547C3
CURRENT APPLICATION NUMBER: US/10/244,821
CURRENT FILING DATE: 2002-09-16
NUMBER OF SEQ ID NOS: 92
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 48
LENGTH: 1467
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: CC49 single chain antibody-genomic streptavidin
OTHER INFORMATION: fusion sequence
US-10-244-821-48

Query Match 76.3%; Score 486.6; DB 15; Length 1467;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCAGCGCTTCGGGAGACCCCTCAAGGACTCGAAGGCCAGGCTTCGGCCGC 159
Db 894 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCAAGGACTCGAAGGCCAGGCTTCGGCCGC 953
QY 160 CGAGCGCGGATCACCGGACCTGGTACACAGCTCGGCTCGACCTTCATCGTGACCG 219
Db 954 CGAGCGCGGATCACCGGACCTGGTACACAGCTCGGCTCGACCTTCATCGTGACCG 1013
QY 220 GGGCGCGGACCGGCGCTGACCGGAACTACGAGTCGGCCGTGGCAACCGCCGAGAGCG 279
Db 1014 GGGCGCGGACCGGCGCTGACCGGAACTACGAGTCGGCCGTGGCAACCGCCGAGAGCG 1073
QY 280 CTAGCTCTGACCGCTGTTACGACAGCGCCCGGACCGAGCGGAGCGGACCGCCCT 339
Db 1074 CTAGCTCTGACCGCTGTTACGACAGCGCCCGGACCGAGCGGAGCGGACCGCCCT 1133
QY 340 CGGTTGACCGGCTGGAGAAATACTACCGCAACCGCCACTCCGCGACCACTGGAG 399
Db 1134 CGGTTGACCGGCTGGAGAAATACTACCGCAACCGCCACTCCGCGACCACTGGAG 1193
QY 400 CGGCGGAGTACGTCGGCGCGCGGAGGAGATCAACCGAGTGGTCTGAGCTCCGG 459
Db 1194 CGGCGGAGTACGTCGGCGCGCGGAGGAGATCAACCGAGTGGTCTGAGCTCCGG 1253
QY 460 CACCACCGAGGCCAAACGCTGGAAGTCCAGCTGGTGGCGGAGGAGATCAACCGAGT 519
Db 1254 CACCACCGAGGCCAAACGCTGGAAGTCCAGCTGGTGGCGGAGGAGATCAACCGAGT 1313
QY 520 GAAGCGTTCGGCGCTTCATCGACCGGCGGAGAGAGCGGCGTCAACCGGCAACCC 579
Db 1314 GAAGCGTTCGGCGCTTCATCGACCGGCGGAGAGAGCGGCGTCAACCGGCAACCC 1373
QY 580 GCTCGACCGCGTTTCAGCAGTA 600
Db 1374 GCTCGACCGCGTTTCAGCAGTA 1394

RESULT 14
US-10-244-821-48
; Sequence 3, Application US/10013173
; Publication No. US2003009597A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND

```

; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C1
; CURRENT APPLICATION NUMBER: US/10/013,173
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1614
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: huNR-LU-10 single chain antibody-genomic streptavidin
; OTHER INFORMATION: fusion.
US-10-013-173--3

Query Match      76.3%; Score 486.6; DB 14; Length 1614;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACACCCCTCCAGGAGACTCGAAGGCCAGCTCTCGGCCGC 159
DB 1107 GAGCTCTGGCTCTGGTTTCGGCAGACACCCCTCCAGGAGACTCGAAGGCCAGCTCTCGGCCGC 1166

QY 160 CGAGGCCGGCATCACCGGCACCTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 219
DB 1167 CGAGGCCGGCATCACCGGCACCTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 1226

QY 220 GGGCGCGAGCGGCCCTGACCGGAACCTACGAGTGGCGCTCGGCAACCGCGAGAGCG 279
DB 1227 GGGCGCGAGCGGCCCTGACCGGAACCTACGAGTGGCGCTCGGCAACCGCGAGAGCG 1286

QY 280 CTAGCTCTGACCGGTCTGTTACGACAGCGCCCGGCGACCGAGCGGAGACCGCCCT 339
DB 1287 CTAGCTCTGACCGGTCTGTTACGACAGCGCCCGGCGACCGAGCGGAGACCGCCCT 1346

QY 340 CGGTTGACGGTGGCTTGGAGAAATACCTACCGGAAGCGCCACTCGCGACACCGTGGAG 399
DB 1347 CGGTTGACGGTGGCTTGGAGAAATACCTACCGGAAGCGCCACTCGCGACACCGTGGAG 1406

QY 400 CGGCCAGTACGTTCGGCGCGCGCGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 459
DB 1407 CGGCCAGTACGTTCGGCGCGCGCGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 1466

QY 460 CACCACCGAGCCAAACGCTTGGAGTCCAGCTGGTTCGGCCACGACACCTTCACCAAGT 519
DB 1467 CACCACCGAGCCAAACGCTTGGAGTCCAGCTGGTTCGGCCACGACACCTTCACCAAGT 1526

QY 520 GAAGCGCTTCGGCCCTCCATCGACGCGCGGGAAGGCGCGGTCAACAAACGGCAACCC 579
DB 1527 GAAGCGCTTCGGCCCTCCATCGACGCGCGGGAAGGCGCGGTCAACAAACGGCAACCC 1586

QY 580 GCTCGACGCGCTTCAGCAGTA 600
DB 1587 GCTCGACGCGCTTCAGCAGTA 1607

RESULT 15
US-10-150-762-3
; Sequence 3, Application US/10150762
; Publication No. US20030103948A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott S.
; APPLICANT: Schults, Joanne B.
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; APPLICANT: Dearstyne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C2
; CURRENT APPLICATION NUMBER: US/10/150,762
; CURRENT FILING DATE: 2002-05-17

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; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1614
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: huNR-LU-10 single chain antibody-genomic streptavidin
; OTHER INFORMATION: fusion.
US-10-150-762-3

Query Match      76.3%; Score 486.6; DB 15; Length 1614;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACACCCCTCCAGGAGACTCGAAGGCCAGCTCTCGGCCGC 159
DB 1107 GAGCTCTGGCTCTGGTTTCGGCAGACACCCCTCCAGGAGACTCGAAGGCCAGCTCTCGGCCGC 1166

QY 160 CGAGGCCGGCATCACCGGCACCTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 219
DB 1167 CGAGGCCGGCATCACCGGCACCTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 1226

QY 220 GGGCGCGAGCGGCCCTGACCGGAACCTACGAGTGGCGCTCGGCAACCGCGAGAGCG 279
DB 1227 GGGCGCGAGCGGCCCTGACCGGAACCTACGAGTGGCGCTCGGCAACCGCGAGAGCG 1286

QY 280 CTAGCTCTGACCGGTCTGTTACGACAGCGCCCGGCGACCGAGCGGAGACCGCCCT 339
DB 1287 CTAGCTCTGACCGGTCTGTTACGACAGCGCCCGGCGACCGAGCGGAGACCGCCCT 1346

QY 340 CGGTTGACGGTGGCTTGGAGAAATACCTACCGGAAGCGCCACTCGCGACACCGTGGAG 399
DB 1347 CGGTTGACGGTGGCTTGGAGAAATACCTACCGGAAGCGCCACTCGCGACACCGTGGAG 1406

QY 400 CGGCCAGTACGTTCGGCGCGCGCGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 459
DB 1407 CGGCCAGTACGTTCGGCGCGCGCGAGGAGATCAACACCCAGTGGCTGTGACCTCCGG 1466

QY 460 CACCACCGAGCCAAACGCTTGGAGTCCAGCTGGTTCGGCCACGACACCTTCACCAAGT 519
DB 1467 CACCACCGAGCCAAACGCTTGGAGTCCAGCTGGTTCGGCCACGACACCTTCACCAAGT 1526

QY 520 GAAGCGCTTCGGCCCTCCATCGACGCGCGGGAAGGCGCGGTCAACAAACGGCAACCC 579
DB 1527 GAAGCGCTTCGGCCCTCCATCGACGCGCGGGAAGGCGCGGTCAACAAACGGCAACCC 1586

QY 580 GCTCGACGCGCTTCAGCAGTA 600
DB 1587 GCTCGACGCGCTTCAGCAGTA 1607

Search completed: October 30, 2004, 20:04:35
Job time : 386 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 30, 2004, 17:05:03 ; Search time 91 seconds
(without alignments)
4983.333 Million cell updates/sec

Title: US-09-743-690-10

Perfect score: 638

Sequence: 1 cctcgtcccccgcgggca.....cgggtcgccggacctcggcc 638

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 35539441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/prodata/1/ina/5A COMB.seq.*
2: /cgn2_6/prodata/1/ina/5B COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	638	100.0	638	3	US-08-831-399-1
2	638	100.0	638	3	US-09-381-430-1
3	638	100.0	638	3	US-09-366-862-1
4	617.4	96.8	1131	6	US-09-368-772-1
5	552	86.5	552	5	PCT-US93-05240-13
6	477	74.8	1266	4	US-09-938-270B-2
7	374.4	58.7	1173	4	US-09-142-974B-4
8	374.4	58.7	1176	4	US-09-142-974B-3
9	354	55.5	354	3	US-07-780-717C-6
10	310.8	48.7	1356	2	US-08-491-988-4
11	307	48.1	498	4	US-09-117-447-7
12	305	47.8	525	1	US-07-924-028A-2
13	268.4	42.1	1296	2	US-08-491-988-6
14	238.8	37.4	1257	2	US-08-491-988-8
15	236.2	37.0	384	3	US-08-831-399-15
16	236.2	37.0	384	3	US-09-366-862-15
17	236.2	37.0	384	3	US-09-368-772-15
18	236.2	37.0	387	1	US-08-211-833-1
19	236.2	37.0	387	1	US-08-434-718-1
20	236.2	37.0	387	1	US-08-434-718-1
21	72.8	11.4	4403765	3	US-09-103-840A-2
22	72.8	11.4	4411529	3	US-09-103-840A-1
23	71.8	11.3	4403765	3	US-09-103-840A-2
24	70.2	11.0	4411529	3	US-09-103-840A-1
25	68.4	10.7	2214	3	US-08-864-038A-1
26	68.4	10.7	3331	3	US-08-864-038A-2
27	68.4	10.7	3331	3	US-08-864-038A-4

28	67	10.5	484	1	US-08-554-586-1	Sequence 1, Appli
29	65.8	10.3	3300	1	US-08-194-290-6	Sequence 6, Appli
30	65.8	10.3	3300	2	US-08-614-377A-6	Sequence 6, Appli
31	65.8	10.3	3300	3	US-09-142-648B-6	Sequence 6, Appli
32	64.6	10.1	1140	3	US-09-023-173-4	Sequence 4, Appli
33	64	10.0	1206	4	US-09-252-991A-3328	Sequence 3328, Ap
34	64	10.0	1470	4	US-09-252-991A-3329	Sequence 3329, Ap
35	63.6	10.0	23673	3	US-09-773-816-1	Sequence 1, Appli
36	61.4	9.6	30001	1	US-08-125-468-1	Sequence 1, Appli
37	61.4	9.6	30001	2	US-08-474-933-1	Sequence 1, Appli
38	61	9.6	47981	4	US-09-679-279-1	Sequence 1, Appli
39	60.8	9.5	72	1	US-08-318-193-78	Sequence 78, Appli
40	60	9.4	1548	2	US-08-762-106-5	Sequence 5, Appli
41	60	9.4	1548	3	US-09-320-774-5	Sequence 5, Appli
42	60	9.4	1581	2	US-08-762-106-6	Sequence 6, Appli
43	60	9.4	1581	3	US-09-320-774-6	Sequence 6, Appli
44	60	9.4	2793	1	US-08-209-747-1	Sequence 1, Appli
45	60	9.4	2793	1	US-08-458-298-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-08-831-399-1

; Sequence 1, Application US/08831399

; Patent No. 6312916

; GENERAL INFORMATION:

; APPLICANT: Kopetzki, Erhard; Muller, Rainer;

; APPLICANT: Engh, Richard; Schmitt, Urban; Deger, Arno; Brandstetter, Hans

; TITLE OF INVENTION: Recombinant Inactive Core

; TITLE OF INVENTION: Streptavidin Mutants

; NUMBER OF SEQUENCES: 16

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Felfe & Lynch

; STREET: 805 Third Avenue

; CITY: New York City

; STATE: New York

; COUNTRY: USA

; ZIP: 10022

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage

; COMPUTER: IBM PS/2

; OPERATING SYSTEM: PC-DOS

; SOFTWARE: Wordperfect

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/831,399

; FILING DATE: 1-April-1997

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: DE 196 13 053.0

; FILING DATE: 1-April-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: DE 196 37 718.8

; FILING DATE: 16-September-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Hanson, No. 6312916man D.

; REGISTRATION NUMBER: 30,946

; REFERENCE/DOCKET NUMBER: HUBR 1105

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 688-9200

; TELEFAX: (212) 688-3884

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 638 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 50..598

; OTHER INFORMATION: Positions 50..121 correspond to sig

; OTHER INFORMATION: peptide, and 122..598 to mat peptide.

QY 121 AGACCCCTCCAGGACTCGAAGGCCAGGCTCTCGGCGCCGAGCGCGGATCAACCGGAC 180
Db 121 AGACCCCTCCAGGACTCGAAGGCCAGGCTCTCGGCGCCGAGCGCGGATCAACCGGAC 180
QY 181 CTGGTACAAACAGCTCGGCTCGAATCTTCATCGTGAACCGCGCGCGCGCGCGCTGAC 240
Db 181 CTGGTACAAACAGCTCGGCTCGAATCTTCATCGTGAACCGCGCGCGCGCGCTGAC 240
QY 241 CGGAACCTACAGTTCGGCTCGGCAAGCGCGAGCGGCTACGTCCTGACCGGCTGTTA 300
Db 241 CGGAACCTACAGTTCGGCTCGGCAAGCGCGAGCGGCTACGTCCTGACCGGCTGTTA 300
QY 301 CGACAGCGCCCGCGCACCGAGCGGCAACCGCGCTCTCGGTTGAGCGGTGGCTGGAA 360
Db 301 CGACAGCGCCCGCGCACCGAGCGGCAACCGCGCTCTCGGTTGAGCGGTGGCTGGAA 360
QY 361 GAATTAACCTACCGACCGGCTCTCGGCGACCACTGAGCGGCGGCTAGTCTCGGCGCG 420
Db 361 GAATTAACCTACCGACCGGCTCTCGGCGACCACTGAGCGGCGGCTAGTCTCGGCGCG 420
QY 421 CGAGGCGAGGATCAACACCCAGTGGCTGCTGACCTCGGCGACCAACCGAGCGCAACCGCTG 480
Db 421 CGAGGCGAGGATCAACACCCAGTGGCTGCTGACCTCGGCGACCAACCGAGCGCAACCGCTG 480
QY 481 GAATTCACCGTCTGGCGGCGGACCTTCAACAGGTGAAGCGGCTCGGCGGCTCCAT 540
Db 481 GAATTCACCGTCTGGCGGCGGACCTTCAACAGGTGAAGCGGCTCGGCGGCTCCAT 540
QY 541 CGACGCGGAGAGAGGCGGCGCTCAACAGCGGCAACCGCGCTCGACCGCGCTTCAAGAGTA 600
Db 541 CGACGCGGAGAGAGGCGGCGCTCAACAGCGGCAACCGCGCTCGACCGCGCTTCAAGAGTA 600
QY 601 GTGCGTCCCGACCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGG 638
Db 601 GTGCGTCCCGACCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGG 638

RESULT 5

5168049-1
; Patent No. 5168049
; APPLICANT: MEADE, HARRY M.; GARWIN, JEFFREY L.
; TITLE OF INVENTION: PRODUCTION OF STREPTAVIDIN-LIKE
; POLYPEPTIDES
; NUMBER OF SEQUENCES: 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/185,329
; FILING DATE: 21-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 656,873
; FILING DATE: 02-OCT-1984
; SEQ ID NO: 1:
; LENGTH: 1131
5168049-1

Query Match 96.8%; Score 617.4; DB 6; Length 1131;
Best Local Similarity 99.7%; Pred. No. 7,4e-125;
Matches 629; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
QY 9 CCCCCTCCGCGGCAACACTA-GGAGATATTTTCGTCTCACATGCGCAAGATCGCTGTT 67
Db 438 CCCCCTCCGCGGCAACACTAGGGAGATATTTTCGTCTCACATGCGCAAGATCGCTGTT 497
QY 68 GCAGCATCGCGCTTTCCTGACACAGGCTCTGATTTACGGCGAGCGGCTCGGCGAGACCC 127
Db 498 GCAGCATCGCGCTTTCCTGACACAGGCTCTGATTTACGGCGAGCGGCTCGGCGAGACCC 557
QY 128 TCACAGGACTCGAAGCGGCGGCTCGGCGCGGCGGCGGCTACCGGCACTCGGTAC 187
Db 558 TCACAGGACTCGAAGCGGCGGCTCGGCGCGGCGGCGGCTACCGGCACTCGGTAC 617
QY 188 AACACAGCTCGGCTCGACCTTTCATGTCACCGCGGCGGCGGCGGCTCGGCGGCAAC 247

Db 618 AACACAGCTCGGCTCGACCTTTCATGTCACCGCGGCGGCGGCGGCTCGGCGGCAAC 677
QY 248 TACAGTTCGGCGGCTCGGCAACCGCGAGCGGCTAGTCTCTGACCGGCTCGTTACGACAGC 307
Db 678 TACAGTTCGGCGGCTCGGCAACCGCGAGCGGCTAGTCTCTGACCGGCTCGTTACGACAGC 737
QY 308 GCCCGCGGCAACCGCGAGCGGCAACCGCGCTCGGTTGAGCGGCTCGGCGGCTGGAAGATAAC 367
Db 738 GCCCGCGGCAACCGCGAGCGGCAACCGCGCTCGGTTGAGCGGCTCGGCGGCTGGAAGATAAC 797
QY 368 TACGCAACCGGCACTTCGGGAGCACGTCGAGCGGCGGCTAGTCTCGGCGGCGGCGGCGG 427
Db 798 TACGCAACCGGCACTTCGGGAGCACGTCGAGCGGCGGCTAGTCTCGGCGGCGGCGGCGG 857
QY 428 AGGATCAACACCGGCTGCTGACCTCGGCGCACACCGAGGCGCAACCGCTTGAAGTCC 487
Db 858 AGGATCAACACCGGCTGCTGACCTCGGCGCACACCGAGGCGCAACCGCTTGAAGTCC 917
QY 488 AGCTGTGCGGCAACGACCTTCAACAGGTGAAGCGGCTCGGCGGCTCGATCGACGCG 547
Db 918 AGCTGTGCGGCAACGACCTTCAACAGGTGAAGCGGCTCGGCGGCTCGATCGACGCG 977
QY 548 GCGAAGAGCGGCGGCTCAACAGCGGCAACCGCGCTCGACCGCGTTTCAAGTAGTTCGGCT 607
Db 978 GCGAAGAGCGGCGGCTCAACAGCGGCAACCGCGCTCGACCGCGTTTCAAGTAGTTCGGCT 1037
QY 608 CCGGCGACCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGG 638
Db 1038 CCGGCGACCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGGCTCGGCGG 1068

RESULT 6

PCT-US93-05240-13
; Sequence 13, Application PC/TUS9305240
; GENERAL INFORMATION:
; APPLICANT: NAGARAJAN, VASANTHA
; TITLE OF INVENTION: PRODUCTION OF STREPTAVIDIN FROM BACILLUS
; TITLE OF INVENTION: SUBTILLIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DU PONT COMPANY
; STREET: BARLEY MILL PLAZA 36
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: USA
; ZIP: 19880-0036
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/05240
; FILING DATE: 19930527
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: GEIGER, KATHLEEN W
; REFERENCE/DOCKET NUMBER: CR 9029
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 302-892-2118
; TELEFAX: 302-892-7949
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 552 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US93-05240-13

Query Match 86.5%; Score 552; DB 5; Length 552;
Best Local Similarity 100.0%; Pred. No. 9.1e-111;
Matches 552; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

335 GCCCTCGGTTGACCGGTGGCTGGAAGAAATACACCAAGCGCCACTCCGACCAACG 394
Db 913 GCCCTCGGTTGACCGGTGGCTGGAAGAAATACACCAAGCGCCACTCCGACCAACG 972
QY 395 TGGAGCGGCAGTACGTGGCGGCGCCGAGGCGAGGATCAACACCCAGTGGCTGTGACC 454
Db 973 TGGAGCGGCAGTACGTGGCGGCGCCGAGGCGAGGATCAACACCCAGTGGCTGTGACC 1032
QY 455 TCCGGCACCACCGAGGCCAACCCCTGGAGTCCACGCTGGTGGCGCACGACCTTACCC 514
Db 1033 TCCGGCACAACCGAGGCCAACCCCTGGAGTCCACGCTGGTGGCGCACGACCTTACCC 1092
QY 515 AAGGTGAAGCCCTCCGCGCCCTCC 538
Db 1093 AAGGTGAAGCCCTCCGCGCCCTCC 1116

RESULT 9
US-09-142-974B-3
; Sequence 3, Application US/09142974B
; Patent No. 6451995
; GENERAL INFORMATION:
; APPLICANT: Cheung, Nai-Kong V.
; APPLICANT: Larson, Steven M.
; APPLICANT: Guo, Hong-Pen
; APPLICANT: Rivlin, Ken
; APPLICANT: Sadelain, Michel
; TITLE OF INVENTION: Single Chain Fv Constructs of Anti-Ganglioside GD2
; TITLE OF INVENTION: Antibodies
; FILE REFERENCE: MSK.P-013-USNP
; CURRENT APPLICATION NUMBER: US/09/142,974B
; CURRENT FILING DATE: 1998-09-18
; PRIOR FILING DATE: 1997-03-20
; PRIOR APPLICATION NUMBER: PCT/US97/04427
; PRIOR FILING DATE: 1997-03-20
; PRIOR APPLICATION NUMBER: 60/013,703
; PRIOR FILING DATE: 1996-03-20
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 1176
; TYPE: DNA
; ORGANISM: Murine
; FEATURE:
; OTHER INFORMATION: 5F11-scFv-streptavidin
; NAME/KEY: unsure
; LOCATION: (37)
; NAME/KEY: unsure
; LOCATION: (79)
US-09-142-974B-3

Query Match 58.7%; Score 374.4; DB 4; Length 1176;
Best Local Similarity 98.4%; Pred. No. 2.3e-72;
Matches 378; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 155 CCGCGGAGCGCGATCACCAGGCACTGTGTACAAACAGCTCGCTCGACCTTCATCGTG 214
Db 736 GCTGCTGAAGCAGATATCACCAGCACTGTGTACAAACAGCTCGCTCGACCTTCATCGTG 795
QY 215 ACCGCGGCGCGGACGCGCCCTGACCGGAACCTACAGTCCGCGCTGGCAACGCGCGAG 274
Db 796 ACCGCGGCGCGGACGCGCCCTGACCGGAACCTACAGTCCGCGCTGGCAACGCGCGAG 855
QY 275 AGCGCTACGTCTGACCGGTCTGTACAGAGCGCCGCGCCACCGACGCGACGCGCAC 334
Db 856 AGCGCTACGTCTGACCGGTCTGTACAGAGCGCCGCGCCACCGACGCGACGCGCAC 915
QY 335 GCCCTCGGTTGGAACGCTGCTGGAAGAAATACACCAAGCGCCACTCCGGAACCAACG 394
Db 916 GCCCTCGGTTGGAACGCTGCTGGAAGAAATACACCAAGCGCCACTCCGGAACCAACG 975
QY 395 TGGAGCGGCAGTACGTGGCGGCGCCGAGCGGAGGATCAACACCCAGTGGCTGTGACC 454
Db 976 TGGAGCGGCAGTACGTGGCGGCGCCGAGCGGAGGATCAACACCCAGTGGCTGTGACC 1035

QY 455 TCCGGCACCACCGAGGCCAACCCCTGGAGTCCACGCTGGTGGCGCACGACACCTTACCC 514
Db 1036 TCCGGCACAACCGAGGCCAACCCCTGGAGTCCACGCTGGTGGCGCACGACACCTTACCC 1095
QY 515 AAGGTGAAGCCCTCCGCGCCCTCC 538
Db 1096 AAGGTGAAGCCCTCCGCGCCCTCC 1119

RESULT 10
US-07-780-717C-6
; Sequence 6, Application US/07780717C
; Patent No. 6391590
; GENERAL INFORMATION:
; APPLICANT: Sano, Takeshi
; APPLICANT: Glazer, Alexander N
; APPLICANT: Cantor, Charles R
; TITLE OF INVENTION: Metallothionein Derivatives with
; TITLE OF INVENTION: Biological Recognition Specificity
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/780,717C
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: B91-028
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 354 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..354
US-07-780-717C-6

Query Match 55.5%; Score 354; DB 3; Length 354;
Best Local Similarity 100.0%; Pred. No. 5e-68;
Matches 354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 167 GCATCACCGGACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTGACCGGGGGGCC 226
Db 1 GGCATCACCGGACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTGACCGGGGGGCC 60
QY 227 GACGGCGCCCTGACCGGAACCTACAGTCCGCGCGTCCGCAACCGCGAGACCGCTAGCTC 286
Db 61 GACGGCGCCCTGACCGGAACCTACAGTCCGCGCGTCCGCAACCGCGAGACCGCTAGCTC 120
QY 287 CTGACCGGTGCTTACGACGCGCCCGGCGCAACCGCGAGACCGCGCTCGGTGG 346
Db 121 CTGACCGGTGCTTACGACGCGCCCGGCGCAACCGCGAGACCGCGCTCGGTGG 180
QY 347 ACGGTGGCTGGAAGAAATAACTACCGCAACGCCCACTCCGCGACCAAGTGTGAGCGGCCAG 406

Db 181 ACGGTGGCTGGAAGATACTACCGCAACGCCCACTCCGCGACACCGTGGAGCGGCCAG 240
Qy 407 TACGTGGCGCGCGGAGGCGAGGATCAACACCCAGTGGTGTGTGACCTCCGCGACCAACC 466
Db 241 TACGTGGCGCGCGGAGGCGAGGATCAACACCCAGTGGTGTGTGACCTCCGCGACCAACC 300
Qy 467 GAGGCCAACCGCTGGAAGTCCACGCTGGTGGGCGACGACACCTTCACCAAGGTG 520
Db 301 GAGGCCAACCGCTGGAAGTCCACGCTGGTGGGCGACGACACCTTCACCAAGGTG 354

RESULT 11

US-08-491-988-4
; Sequence 4, Application US/08491988
; Patent No. 5973116
; GENERAL INFORMATION:
; APPLICANT: EPENETOS, AGAMEMNON A.
; APPLICANT: SPOONER, ROBERT A.
; APPLICANT: DEONARAIN, MAHENDRA
; TITLE OF INVENTION: Compounds for targeting
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MAULAY NISSEN GOLDBERG KIEL & HAND, LLP
; STREET: 261 MADISON AVENUE
; CITY: NEW YORK
; STATE: NY
; COUNTRY: USA
; ZIP: 10016-2391
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/491,988
; FILING DATE: 18-DEC-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: GOLDBERG, JULES E.
; REGISTRATION NUMBER: 24,408
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-986-4090
; TELEFAX: 212-818-9479
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1356 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 40..1344
; US-08-491-988-4

Query Match 48.7%; Score 310.8; DB 2; Length 1356;
Best Local Similarity 72.6%; Pred. No. 1.3e-58;
Matches 402; Conservative 0; Mismatches 152; Indels 0; Gaps 0;
Qy 49 CATGCGCAAGATCGTGGTTCAGCCATCGCCGTTTCCCTGACCACCGTCTCGATTACGGC 108
Db 795 CAACCACTGGGTGTTGGTGGAGGACCAAACTGACTGCTCTAGTCTCGAGGACCTGC 854
Qy 109 CAGCGCTTCGGCAGACCCCTCAAGACTCGAAGCCCAAGTCTCGGCCGCGGAGCGCG 168
Db 855 TGCCGCACTGCGAGACCCCTCAAGACTTCAAGACTTCAAGCTCAGGTTTCTGACGCGAAGCTG 914
Qy 169 CATACCGGCACCTGTGTACAAACAGCTGGCTGCGACCTTTCATCGTACGCGGCGCGCGA 228
Db 915 TATCACTGCACTGGTATACCAACTGGGTGCGACTTTCATTTGACCCGCTGGTGGCGGA 974

Qy 229 CGGGCGCTGACCGGAACCTACAGTGGCCCTCGGCAACGCCGAGAGCGCTAGCTCT 288
Db 975 CGGAGCTCTGACTGGCACCTACGAATCTGGGTTGGTAACGAGAATCCCGCTACT 1034
Qy 289 GACCGCTGTTACGACAGCGCCCGCCACGACGCGGAGCGCACCGGCTCGGTGGAC 348
Db 1035 GACTGGCGCTTATGACTCTGACCTGCCACCGATGGCTCTGGTACCGCTCTGGGCTGGAC 1094
Qy 349 GGTGGCTGGAAGAATAACTACCGCAACGCCCACTCCGCGACCAACGCTGGAGCGGCCAGTA 408
Db 1095 TGTGGCTTGAAAAACAACATCGTAATGCGCACAGCGCCACTAGTGTCTGGCCAATA 1154
Qy 409 CGTCGCGCGCGCGGAGGCGGATCAACACCCAGTGGCTGCTGACCTCGGACACCGA 468
Db 1155 CGTTGGCGTGTGAGGCTCGTATCAACACTCAGTGGCTGTTAAACATCCGCACTACCGA 1214
Qy 469 GCGCAACGCTGGAAGTCCAGCTGGTGGCGACGACACCTTCCAAAGGTGAAGCCCTC 528
Db 1215 AGCGAATGATGGAATCGACACTAGTAGGTTCATGACACCTTTACCAAGTTAGCTTC 1274
Qy 529 CGCCGCTTCATCGACGCGGCGGAGGCGCGGTCAACAAACGCAACCGCTCGAGCG 588
Db 1275 TGCTGTAGCATTTGATGCTGCCAAGAAAGCAGGCGTAAACACGTAACCCCTTAGACGC 1334
Qy 589 CGTTCAGCAGTAGT 602
Db 1335 TGTTCAGCAATAAT 1348

RESULT 12

US-09-117-447-7
; Sequence 7, Application US/09117447
; Patent No. 6777202
; GENERAL INFORMATION:
; APPLICANT: LUBITZ, Werner
; APPLICANT: SLEITZ, Uwe
; APPLICANT: KUEN, Beatrix
; APPLICANT: TRUPPE, Michaela
; APPLICANT: HOWORKA, Stefan
; APPLICANT: RESCH, Stepanka
; APPLICANT: SCHROLL, Gerhard
; APPLICANT: SARA, Margit
; TITLE OF INVENTION: RECOMBINANT EXPRESSION OF S-LAYER PROTEINS
; FILE REFERENCE: 100564-08013
; CURRENT APPLICATION NUMBER: US/09/117,447
; CURRENT FILING DATE: 1998-12-02
; PRIOR APPLICATION NUMBER: PCT/EP97/00432
; PRIOR FILING DATE: 1997-01-31
; PRIOR APPLICATION NUMBER: DE/196 03 649.6
; PRIOR FILING DATE: 1996-02-01
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 7
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: streptavidin gene
; US-09-117-447-7

Query Match 48.1%; Score 307; DB 4; Length 498;
Best Local Similarity 76.6%; Pred. No. 7.4e-58;
Matches 376; Conservative 0; Mismatches 115; Indels 0; Gaps 0;
Qy 122 GACCCCTCCAGGACTCGAAGGCCCGAGTCTCGGCCCGCCGAGCGGSCATCACCGGCACC 181
Db 7 GACCCGTCGAAGACTCCAAAGCTCAGGTTTCTGACGCGGAGCTGGTATCATCTGSCACC 66
Qy 182 TGGTACAAACAGCTCGGCTCGACTTCATCGTGAACCGGGCGCCGACGCGCCCTGACC 241
Db 67 TGGTATAACCAACTGGGGTCTGACTTTTCAATGTGACCGCTGGTGGGACGAGCTCTGACT 126
Qy 242 GGAACCTACGAGTCGGCGCGTCGGCAACGCGGAGCGGCTACGCTCTGACCGGCTCGTTAC 301

Db 127 GGCACCTACGATCTGCGGTGGTAAGCGAGATCCCGCTACGTAAGTGGCGGTAT 186
QY 302 GACAGCGCCCGGACACGAGCGGAGCGGACCGCCCTCGGTGGACGGTGGCTGGAG 361
Db 187 GACTCTGACCTGCGACCGGATGCTCTGTGTAACCGCTCTGCGCTGGACTGTGGCTTGA 246
QY 362 AATAACTACCGCCCACTCCGCGACCACTCGGAGCGGAGCGGAGCGGAGCGGAGCGG 421
Db 247 AACACTATCTGATGCGGACGAGCGGACGTAAGTGGCTGGCTGGCTGGCTGGCT 306
QY 422 GAGCGGAGGATCAACACCGAGTGGCTGCTGACCTCCGCGACACCGAGCGGACCGCTGG 481
Db 307 GAGGCTCGTATCAACACTCAGTGGCTGTAAACATCCGCGACCTACCGGAGGAGTGCATGG 366
QY 482 AAGTCCAGCTGGTGGCGGACGACACTTCACCAAGGTGAAGCGGCTCCGCGCTCCATC 541
Db 367 AAATCGACACTAGTAGTGCATGACACTTTACCAAGTTAAGCTTCTGCTGTAGCATT 426
QY 542 GACGCGGAGGAGAGCGGCGGCTCAACAGCGGAGCGGAGCGGAGCGGAGCGGAGCGG 601
Db 427 GATGCTGCGAAGAGAGCGGCTAAACAGCGGAGCGGAGCGGAGCGGAGCGGAGCGG 486
QY 602 TCGGCTCCCGG 612
Db 487 TAAGATCCGG 497

RESULT 13

US-07-924-028A-2
; Sequence 2, Application US/07924028A
; Patent No. 5470573
; GENERAL INFORMATION:
; APPLICANT: Lubitz Werner, Szostak, Michael P.
; TITLE OF INVENTION: CARRIER-BOUND RECOMBINANT PROTEINS, PROCESS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/924,028A
; FILING DATE: 30-SEP-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP91/00308
; FILING DATE: 02-FEB-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 40 05 874
; FILING DATE: 24-FEB-1990

ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 5470573man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: HUBR 1027
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 688-9200
; TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 525 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

US-07-924-028A-2

Query Match 47.8%; Score 305; DB 1; Length 525;
Best Local Similarity 77.1%; Pred. No. 28-57;
Matches 371; Conservative 0; Mismatches 110; Indels 0; Gaps 0;
QY 122 GACCCCTCCAGGACTCGAAGGCCAGAGTCTCGCGCGCGCGGCGGCGGCGGCGGCGG 181
Db 37 GACCCGTCGAAGACTCCAAAGCTCAGGTTTCTGAGCGGAGGCTGTATCACTGGCACC 96
QY 182 TGCTAACACAGCTCGGCTCGACCTTCATCTGAGCGGCGGCGGCGGCGGCGGCGGCGG 241
Db 97 TGGTATAACCAACTGGGGTGCATTTTCATGTGACCGCTGGTGGCGGAGGCTCTGACT 156
QY 242 GGAACCTTACGAGTCCGCGCGCTCGGCAACCGCGAGAGCCGCTACGTCCTGACCGGTGTTAC 301
Db 157 GGCACCTAGCAATCTCGGTTGTTAAGCGAGAAATCCCGCTACGTACTGCTGGCGGTAT 216
QY 302 GACAGCGCCCGGCGGACGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 361
Db 217 GACTCTGCACTCCACCGATGGCTCTGCTGACCGCTCTGGCTGGAGCTGTGGCTTGA 276
QY 362 AATAACTTACCGCAACCGCCCACTCCGCGACACGCTGGAGCGGCGGCGGCGGCGGCGG 421
Db 277 AACACTATCTGTAATCGGCGACAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 336
QY 422 GAGCGAGGATCAACACCGAGTGGCTGCTGACCTCGGCGGCGGCGGCGGCGGCGGCGG 481
Db 337 GAGGCTCGTATCAACACTCAGTGGCTGTTAAACATCCGCGCTACCGGAGGAGTGCATGG 396
QY 482 AAGTCCAGCTGGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 541
Db 397 AAATCGACACTAGTAGTGCATGACACCTTTTACCAAGTTAAGCTTCTGCTGTAGCATT 456
QY 542 GACGCGGAGGAGAGCGGCGGCTCAACAGCGGAGCGGCGGCGGCGGCGGCGGCGGCGG 601
Db 457 GATGCTGCGAAGAGAGCGGCTAAACAGCGGAGCGGAGCGGAGCGGAGCGGAGCGG 516
QY 602 T 602
Db 517 T 517

RESULT 14

US-08-491-988-6
; Sequence 6, Application US/08491988
; Patent No. 5973116
; GENERAL INFORMATION:
; APPLICANT: EPENETOS, AGAMENNON A.
; APPLICANT: SPOONER, ROBERT A.
; APPLICANT: DEONARAIN, MAHENDRA
; TITLE OF INVENTION: Compounds for targeting
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MCAULAY NISSEN GOLDBERG KIEL & HAND, LLP
; STREET: 261 MADISON AVENUE
; CITY: NEW YORK
; STATE: NY
; COUNTRY: USA
; ZIP: 10016-2391
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/491,988
; FILING DATE: 18-DEC-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: GOLDBERG, JULES E.
; REGISTRATION NUMBER: 24,408
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-986-4090

[illegible]

Qy	509	TTACCAAGGTGAAGCCGTCGCCGC	534
Dβ	1216	TTTACCAAGTTAAGCCTTCTGTGC	1241

Search completed: October 30, 2004, 18:52:38
Job time : 100 secs

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